TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-08-26-01 **Date: 29/08/2017**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains Nisarga School back side Sampangi Ramaiah layout at Bagalgunte ward No.14

Agency : Technical Manager(West), KRIDL, Project Implementation unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010

Customer's Reference : BBMP/EE/DD/WO/029/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-08-17

Sample ID No : 2017-08-26-01/03

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/08/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/08/2017	29/08/2017	149.87 X 150.66 X 150.47	22579	8.154	410.9	18.2	17.9
2	Drain Concrete	M20	22/08/2017	29/08/2017	150.66 X 150.47 X 150.33	22670	8.214	401.3	17.7	
3	Drain Concrete	M20	22/08/2017	29/08/2017	150.14 X 150.59 X 150.66	22610	8.198	404.7	17.9	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 30 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2017-08-26-01 **Date: 19/09/2017**

Customer : Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.

Address : T.Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains Nisarga School back side Sampangi Ramaiah layout at Bagalgunte ward No.14

Agency : Technical Manager(West), KRIDL, Project Implementation unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010

Customer's Reference : BBMP/EE/DD/WO/029/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-08-17

Sample ID No : 2017-08-26-01/04

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/09/2017

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	22/08/2017	19/09/2017	151.44 X 149.87 X 150.60	22696	8.174	540.2	23.8	23.4
2	Drain Concrete	M20	22/08/2017	19/09/2017	150.33 X 150.47 X 150.69	22620	8.208	518.0	22.9	
3	Drain Concrete	M20	22/08/2017	19/09/2017	149.87 X 150.66 X 150.37	22579	8.197	528.4	23.4	

Note:

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
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TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2017-08-21-01** **Date: 22-08-17**
Customer	:	Assistant Executive Engineer, T.Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T.Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains Nisarga School back side Sampangi Ramaiah layout at Bagalgunte ward No.14
Agency	:	Technical Manager (West), KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-10.
Customer Reference	:	BBMP/EE/DD/WO/029/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-08-17
Sample ID No	:	2017-08-21-01-01
Type of Mix	:	GSB (Granular Sub Base)
Date of test	:	21-08-17
Oven Dry Weight	:	10120 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	991	991	9.8	90.2	80-100
26.5	1686	2677	26.5	73.5	55-90
9.5	1299	3976	39.3	60.7	35-65
4.75	1493	5469	54.0	46.0	25-55
2.36	1769	7238	71.5	28.5	20-40
0.425	1665	8903	88.0	12.0	10-25
0.075	893	9796	96.8	3.2	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	23.14%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

Note:-
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End of Report